

```
=> s 12 and 15
L12      0 L2 AND L5

=> s 14 and 15
L13      0 L4 AND L5

=> s 12 and 16
L14      9 L2 AND L6

=> s 12 and 17
L15     459 L2 AND L7

=> s 16 and 115
L16      0 L6 AND L15

=> d his
```

(FILE 'HOME' ENTERED AT 14:53:50 ON 23 JAN 2003)

FILE 'CAPLUS' ENTERED AT 14:54:17 ON 23 JAN 2003

```
L1      47 S CONTINUOUS (L) INTERMEDIATE(L) BELT
L2     36542 S BELT
L3     1921 S CONTINUOUS (L) BELT
L4     286 S WOVEN(L) FIBROUS(L) (FABRIC OR TEXTILE)
L5     28 S AMINOTRIETHOXYSILANE
L6    1595 S VINYLIDENE FLUORIDE POLYMER
L7    23570 S SYNTHETIC RUBBER
L8      0 S L2 AND L4 AND L6 AND L7
L9      7 S L2 AND L4
L10     0 S L5 AND L9
L11     7 S L2 AND L9
L12     0 S L2 AND L5
L13     0 S L4 AND L5
L14     9 S L2 AND L6
L15    459 S L2 AND L7
L16     0 S L6 AND L15
```

```
=> log y
COST IN U.S. DOLLARS          SINCE FILE      TOTAL
                                ENTRY      SESSION
FULL ESTIMATED COST          30.47      30.68
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STN INTERNATIONAL LOGOFF AT 14:58:39 ON 23 JAN 2003

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=> D HIS
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(FILE 'HOME' ENTERED AT 15:49:24 ON 12 MAR 2003)

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=> FILE CAPLUS
COST IN U.S. DOLLARS          SINCE FILE      TOTAL
                                ENTRY      SESSION
FULL ESTIMATED COST          0.21      0.21
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FILE 'CAPLUS' ENTERED AT 15:50:07 ON 12 MAR 2003  
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FILE COVERS 1907 - 12 Mar 2003 VOL 138 ISS 11  
FILE LAST UPDATED: 11 Mar 2003 (20030311/ED)

This file contains CAS Registry Numbers for easy and accurate  
substance identification.

=> D HIS

(FILE 'HOME' ENTERED AT 15:49:24 ON 12 MAR 2003)

FILE 'CAPLUS' ENTERED AT 15:50:07 ON 12 MAR 2003

=> S WOVEN(L) (TEXTILE OR FABRIC) (L) LAYER

18344 WOVEN  
90 WOVENS  
18411 WOVEN  
(WOVEN OR WOVENS)  
70922 TEXTILE  
76492 TEXTILES  
111251 TEXTILE  
(TEXTILE OR TEXTILES)  
86685 FABRIC  
77801 FABRICS  
119473 FABRIC  
(FABRIC OR FABRICS)  
1008748 LAYER  
452660 LAYERS  
1239014 LAYER  
(LAYER OR LAYERS)

L1 1706 WOVEN(L) (TEXTILE OR FABRIC) (L) LAYER

=> S ELASTOM? (L) LAYER

56532 ELASTOM?  
1008748 LAYER  
452660 LAYERS  
1239014 LAYER  
(LAYER OR LAYERS)

L2 4647 ELASTOM? (L) LAYER

=> S SILIC? (L) LAYER

1225379 SILIC?  
1008748 LAYER  
452660 LAYERS  
1239014 LAYER  
(LAYER OR LAYERS)

L3 122799 SILIC? (L) LAYER

=> S LAMINATE

75744 LAMINATE  
56722 LAMINATES  
93317 LAMINATE  
(LAMINATE OR LAMINATES)

=> S COMPOSITE

236972 COMPOSITE  
143365 COMPOSITES

L5 270246 COMPOSITE  
(COMPOSITE OR COMPOSITES)

=> D HIS

(FILE 'HOME' ENTERED AT 15:49:24 ON 12 MAR 2003)

FILE 'CAPLUS' ENTERED AT 15:50:07 ON 12 MAR 2003

L1 1706 S WOVEN(L) (TEXTILE OR FABRIC) (L) LAYER  
L2 4647 S ELASTOM? (L) LAYER  
L3 122799 S SILIC? (L) LAYER  
L4 93317 S LAMINATE  
L5 270246 S COMPOSITE

=> S L1 AND L2 AND L3

L6 6 L1 AND L2 AND L3

=> D L6 1-6 BIB,ABS

L6 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2003 ACS

AN 2002:252961 CAPLUS

DN 136:268227

TI Multilayer textile product for surgical cover and clothing

IN Bernard, Axel

PA Germany

SO Eur. Pat. Appl., 6 pp.

CODEN: EPXXDW

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1192958	A2	20020403	EP 2001-118224	20010730
	EP 1192958	A3	20020417		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	DE 10042198	C1	20020404	DE 2000-10042198	20000828
PRAI	DE 2000-10042198	A	20000828		
AB	The invention concerns trilayered <b>textiles</b> for surgical covers and clothing that are composed of a <b>silicon elastomer</b> middle <b>layer</b> and polyester outer <b>layers</b> . The outer <b>layers</b> are non-woven <b>textiles</b> and they are non-absorbing. One of the outer <b>layers</b> can be hydrophilized. The <b>layers</b> are laminated by vulcanization; no adhesives are used.				

L6 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2003 ACS

AN 1998:133644 CAPLUS

DN 128:141966

TI Olefin polymer-coated polyester fabric tarpaulins with high tensile strength

IN Cho, Suh Hun; Kim, Il Yong; Kang, Chung Suk; Jung, Chang Bum; Lee, Hae Ju; Jung, Il Young; Kim, Chang Gun

PA Kolon Industries Inc., S. Korea

SO Eur. Pat. Appl., 8 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 821098	A2	19980128	EP 1997-107222	19970430
	EP 821098	A3	19980513		
	EP 821098	B1	20020814		

R: DE, GB, GR, IT, SE, SI, LT, LV, RO

PRAI KR 1996-30521 A 19960726  
KR 1996-49869 A 19961030  
KR 1996-70174 A 19961223

AB The tarpaulins are prepd. by coating two sides of **woven fabrics** of high-tenacity polyester fibers having no. warp yarns per in. 50-20 and no. of filling yarns 5-20 with blends contg. 15-94.5% LLDPE or LDPE, 5-60% ethylene-.alpha.-olefin copolymer **elastomers**, 0.5-15% masterbatch contg. LLDPE or LDPE and pigments or TiO<sub>2</sub>, and 0-10% adhesion-preventing masterbatch contg. LLDPE or LDPE and **silica** or CaCO<sub>3</sub>. A **woven** polyester **fabric** was coated on two sides with a blend contg. LLDPE 70, ethylene-butene copolymer rubber 20, masterbatch contg. 85% LLDPE and 15% TiO<sub>2</sub> 5, and masterbatch contg. 95% LLDPE and 5% **silica** by the extrusion method and calendered at roll temp. 30.degree. to give a coated tarpaulin with tensile strength 23.4 kg, tearing strength 10.2 kg, and coating **layer** adhesive strength 14.1 kg/cm.

L6 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2003 ACS

AN 1992:597580 CAPLUS

DN 117:197580

TI A flexible sheet material for protection from radiant heat transfer

IN Atkinson, Alan William; Burnett, Jody Keith; James, Allan

PA T and N Technology Ltd., UK

SO Brit. UK Pat. Appl., 21 pp.

CODEN: BAXXDU

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	GB 2249753	A1	19920520	GB 1991-24113	19911113
	GB 2249753	B2	19940112		
	WO 9208924	A1	19920529	WO 1991-GB1996	19911113
	W: JP, US				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, NL, SE				
	EP 557354	A1	19930901	EP 1991-919954	19911113
	R: DE, ES, FR, IT				
	JP 06502477	T2	19940317	JP 1992-500037	19911113
PRAI	GB 1990-24677		19901113		
	GB 1991-13521		19910622		
	WO 1991-GB1996		19911113		

AB The sheet material comprises a **layer** of **silicone** rubber which may be foamed, and a .ltoreq.1-.mu.m-thick metallic foil (esp. Al) bonded to one surface of the **elastomer** by transferring the foil from a supporting substrate. The **elastomer** can be supported on a knitted, braided, or **woven fabric** support. Protective tubing (e.g., for wiring, fuel lines, brake lines) and clothing can be made from the flexible material.

L6 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2003 ACS

AN 1988:137178 CAPLUS

DN 108:137178

TI Filter material for removing particles from fluid, especially hot gas streams, and its preparation

IN Schoner, Rainer

PA Windel Textil G.m.b.H. und Co., Fed. Rep. Ger.

SO Ger., 9 pp.

CODEN: GWXXAW

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI DE 3628187 C1 19880204 DE 1986-3628187 19860820  
PRAI DE 1986-3628187 19860820

AB In the title filters for particles with .ltoreq.100.mu. diam., and comprising a fibrous support and a filtering **layer** with hollow spaces, some of which are formed at the support-filter **layer** interface, the filter **layer** is placed with one side facing the support and is surrounded by a 3-dimensional **woven silicone elastomer layer** with multiple labyrinthian pores. The **silicone elastomer layer** may be made of linear dialkylpolysiloxanes **woven** with reactive polysiloxanes. The filtering material may be a flame-retardant and/or elec. conductive material and the filter **layer** may be 0.01-1 mm thick. The support surface may be made of high temp.-resistant aramid, C, and/or graphite fibers. The filter is prepd. by scorching a surface of the support, fixing it by a 1st heating stage, applying a filtering material mixt. contg. a non-3-dimensional **woven** polymeric siloxane, a cross-linking catalyst, and a cross-linking agent, and cross-linking by a 2nd heat treatment. A mixt. contg. high mol. wt. liq. dimethylpolysiloxan 100, org. Pt complex 0.4, reactive polysiloxane 3.5, decabromodiphenyl oxide 17.5, Sb2O3 17.5, and water 10 wt. parts was applied at 250 g/m2 to a singed and fixed aramid fiber **fabric** with surface wt. 300 g/m2, the coated **fabric** was dried at 130.degree. for 45 s, and the cross-linked to a 3-dimensional structure at 170.degree. for 45 s. The filter, with air permeability 140 L/dm3, was not damaged after 10,000 h in a gas stream of .apprx.230.degree. and the filtering material did not sep. from the support. The filters gave higher removals of particles or dust than conventional filters but very little of the particles remained in the labyrinthian pores.

L6 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2003 ACS  
AN 1987:479119 CAPLUS  
DN 107:79119  
TI Elastic fastening tapes  
IN Torimae, Yasuhiro; Kawaguchi, Heihachiro  
PA Kao Corp., Japan  
SO Jpn. Kokai Tokkyo Koho, 8 pp.  
CODEN: JKXXAF  
DT Patent  
LA Japanese  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 62081477	A2	19870414	JP 1985-220894	19851003
	JP 05088756	B4	19931224		
PRAI	JP 1985-220894		19851003		

AB Title tapes useful in disposable diapers, etc., comprise an elastic central strip, and edge stripes formed from the same **elastomer** compn. by impregnating **woven** or nonwoven **fabric** strips, curing, and coating with an adhesive **layer**. Two nonwoven polyester **fabric** strips (30 mm wide, 0.3 mm thick, long fibers) were laid parallel, 10 mm apart, on a conveyor belt, sprayed with 150 g/cm2 polyurethane and pressed at 80.degree. for 5 min to give a 3-stripe sheet, edge stripes of which were coated with adhesive on one side and a **silicone** compn. on the other side, and cut into tape fasteners 70 mm long, which did not curl during storage at 10 or 40.degree. and showed elongation 3:1 in the middle stripe, and .apprx.0 in the edge stripes when stretched with 1500 g force.

L6 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2003 ACS  
AN 1969:107441 CAPLUS  
DN 70:107441  
TI Flock coating porous fabrics  
IN Grundman, Roger V.

PA Minnesota Mining and Manufg. Co.  
 SO U.S., 4 pp.  
 CODEN: USXXAM  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 3436245	A	19690401	US 1965-506652	19651108
PRAI	US 1965-506652		19651108		

AB Flock-coated substrates were prepd. by coating the individual fibers of an open **fabric** substrate with a pressure-sensitive adhesive without closing the openings of the substrate, applying a fibrous flock coating to the substrate, applying a settable liq. adhesive (such as a 2-part polyurethane) to the side of the substrate opposite the flock coating, passing the adhesive through the openings in the substrate to embed the substrate and the ends of the fibers attached, and curing the adhesive. The method applies the flock fibers to the **fabric** substrate in colored patterns, that are useful as floor coverings. Thus, an open **woven** cotton scrim was coated on 1 side with a pressure-sensitive adhesive contg. 94.5 parts isooctyl acrylate and 5.5 parts acrylic acid as .apprx.10% solids in heptane. A stencil (as an endless belt formed from a 6 mm.-thick **layer** of polyurethane **elastomeric** foam laminated to an open netting) was pressed over the adhesive-coated surface of the scrim. White nylon staple fibers (53 denier), length 4.5 mm. were coated through the openings in the stencil onto the adhesive-coated scrim while vibrating the scrim with a vibrating platen. A thin **layer** of detergent foam was applied over the fibers and the stencil was removed. Blue nylon staple fibers (45 denier), length .apprx.4 mm. were applied while vibrating the scrim with a vibrating platen to the portions of the scrim previously covered by the stencil. An endless **silicone** rubber-satd. glass cloth belt was used as a casting surface for the 2-part polyurethane compn. The 1st part (A) contained polypropylene ether glycol (I) (mol. wt. 200) 356, PbO 1.2, **silica** 16, 4,4'-methylenebis(2-chloroaniline) 21.6, Ca 2-ethylhexanoate 1.2, PhHgOAc 2.4, and 2,6-di-tert-butyl-4-methylphenol 1.6 parts. The 2nd part (B) contained tolylene diisocyanate 62.3, I (mol. wt. 400) 31.4, and polypropylene ether triol (mol. wt. 400) 6.3 parts. The compn. was continuously mixed in a ratio of 3.77 parts for part A for each part B and knife-coated onto the belt to a 1 mm. thickness. The flock-coated scrim was pulled down into the liq. reaction mixt. to sat. the scrim and the lower ends of the flock fibers. The satd. scrim was passed over a drum heated to .apprx.100.degree. and reacted to give a solid noncellular **elastomer**.

=> FIL STNGUIDE  
 COST IN U.S. DOLLARS  
 FULL ESTIMATED COST

SINCE FILE ENTRY	TOTAL SESSION
33.80	34.01

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)  
 CA SUBSCRIBER PRICE

SINCE FILE ENTRY	TOTAL SESSION
-3.91	-3.91

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=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.24	34.25
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-3.91

STN INTERNATIONAL LOGOFF AT 15:54:56 ON 12 MAR 2003